

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered). Please AMEND claims and ADD new claims, in accordance with the following:

1. (CURRENTLY AMENDED) A plasma display panel device having first ^{and address} and second electrodes, spaced apart from one another, and a ground power source and performing a display by generating a discharge between said first and second electrodes, said plasma display panel device comprising:

a drive circuit applying a drive voltage pulse between said first and second electrodes; wherein

when the drive voltage pulse is to be applied between said first and second electrodes, said drive circuit connects said first and second electrodes to power sources that are different from said ground power source, after a front edge of the drive voltage pulse, so as to apply a drive voltage between said first and second electrodes, and

when completing said drive voltage pulse, said drive circuit connects said first and second electrodes to power sources that are different from said ground power source, after the back edge of the drive voltage pulse, so as to apply another drive voltage between the first and second electrodes, ^{maintain}.

Cancel claim 2

3. (CURRENTLY AMENDED) A plasma display panel device having first and second electrodes, spaced apart from one another, and a ground power source and performing a display by generating a discharge between said first and second electrodes, said plasma display panel device comprising:

a drive circuit that, when a front edge of a drive voltage pulse is to be applied between said first and second electrodes, changes said first and second electrodes from a first state in which the first and second electrodes are connected to a first power source, different from said ground power source, to a second state in which the first or second electrode is connected to a second power source, different from said ground power source, so as to apply a drive voltage between said first and second electrodes .

4. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 3, wherein:

said drive circuit returns said first and second electrodes to the first state, of being connected to said first power source, upon completion of the application of said drive voltage pulse.

5. (CURRENTLY AMENDED) A plasma display panel device having first and second electrodes, spaced apart from one another, and a ground power source and performing a display by generating a discharge between said first and second electrodes, said plasma display panel device comprising:

DI Cont
a drive circuit that, when a front edge of a drive voltage pulse is to be applied between said first and second electrodes, changes said first and second electrodes from a first state of being in which the first and second electrodes are connected to a first power source, different from said ground power source, to a second state of being in which the first and second electrodes are respectively connected to second and third power sources, different from said ground power source, so as to apply a drive voltage between the two said first and second electrodes ~~when a drive voltage pulse is to be applied between said first and second electrodes~~.

6. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 5, wherein:

said drive circuit returns said first and second electrodes to the first state, of being connected to said first power source, upon completion of the application of said drive voltage pulse.

7. (CURRENTLY AMENDED) A plasma display panel device having first and second electrodes, spaced apart from one another, and a ground power source and performing a display by generating a discharge between said first and second electrodes, said plasma display panel device comprising:

a drive circuit that, when a front edge of a drive voltage pulse is to be applied between said first and second electrodes, changes said first and second electrodes from a first state in which the first and second electrodes are respectively connected to first and second power

sources, different from said ground power source, to a second state in which the first or second electrode is connected to a third power source, different from said ground power source, so as to apply a drive voltage between the two electrodes .

8. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 7, wherein:

said drive circuit returns said first and second electrodes to the first state, of being connected to said first or second power source, upon completion of the application of said drive voltage pulse .

9. (CURRENTLY AMENDED) A plasma display panel device having first and second electrodes, spaced apart from one another, and a ground power source and performing a display by generating a discharge between said first and second electrodes, said plasma display panel device comprising:

① a drive circuit that, when a front edge of a drive voltage pulse is to be applied between said first and second electrodes, changes said first and second electrodes from a first state of being in which the first and second electrodes are respectively connected to first and second power sources, different from said ground power source, to a second state of being in which the first and second electrodes are respectively connected to third and fourth power sources, different from said ground power source, so as to apply a drive voltage between the two said first and second electrodes when a drive voltage pulse is to be applied between said first and second electrodes.

10. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 9, wherein:

said drive circuit returns said first and second electrodes to the first state, of being respectively connected to said first and second power sources, upon completion of the application of said discharge voltage pulse.

11. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 5, wherein:

reversed-polarity discharge voltage pulses are applied to said first and second electrodes.

12. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 7, wherein:

reversed-polarity discharge voltage pulses are applied to said first and second electrodes.

13. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 9, wherein:

reversed-polarity discharge voltage pulses are applied to said first and second electrodes.

14. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 1, further having a control portion that is connected to said ground power source and that supplies a control signal to said drive circuit.

Cancel Claim 15

16. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 3, further having a control portion that is connected to said ground power source and that supplies a control signal to said drive circuit.

17. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 5, further having a control portion that is connected to said ground power source and that supplies a control signal to said drive circuit.

18. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 7, further having a control portion that is connected to said ground power source and that supplies a control signal to said drive circuit.

19. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 9, further having a control portion that is connected to said ground power source and that supplies a control signal to said drive circuit.

20. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 3, wherein:

the potential of said ground power source is between the potential of said first power source and the potential of the second power source, and a third electrode is maintained at the potential of the ground power source during the application of said drive voltage pulse.

21. (PREVIOUSLY AMENDED) The plasma display panel device according to claim 5, wherein:

the potential of said ground power source is between the potential of said first power source and the potential of the second power source, or is between the potential of said first power source and the potential of the third power source, and a third electrode is maintained at the potential of the ground power source during the application of said drive voltage pulse.

22. (CURRENTLY AMENDED) A plasma display panel device that performs a display by generating a discharge between first and second electrodes spaced adjacently along a display line, said plasma display panel device comprising:

①
Cont
a control circuit, connected to a ground power source, generating a control signal; and
a drive circuit that drives said first and second electrodes in response to said control signal wherein, when a drive voltage pulse is to be applied between said first and said second electrodes, said drive circuit supplies a start voltage of said drive voltage pulse between said first and second electrodes by connecting said first or second electrode to a first power source that is different from said ground power source after a front edge of the drive voltage pulse, and supplies an end voltage of said drive voltage pulse between said first and second electrodes by connecting said first or second electrode to a second power source that is different from said ground power source after a back edge of the drive voltage pulse.

23. (PREVIOUSLY AMENDED) A plasma display panel device according to claim 22, further comprising:

an address electrode intersecting with said first and second electrodes, wherein the address electrode is maintained at the ground potential, between the potentials of said first and second electrodes, when said drive voltage pulse is to be applied to the first and second electrodes.

24. (CURRENTLY AMENDED) A method for driving a plasma display panel device having first and second electrodes, spaced apart from one another, and a ground power source

and performing display by generating a discharge between said first and second electrodes, comprising:

when applying a drive voltage pulse between said first and second electrodes, connecting said first and second electrodes to power sources that are different from said ground power source, after a front edge of the drive voltage pulse, so as to apply a drive voltage between said first and second electrodes; and

when completing said drive voltage pulse, connecting said first and second electrodes to power sources that are different from said ground power source, after a back edge of the drive voltage pulse, so as to apply another drive voltage between the first and second electrodes.

Claim 25 cancel

26. (CURRENTLY AMENDED) A method of driving a plasma display panel device having first and second electrodes provided apart from one another and a ground power source, and performing a display by generating a discharge between said first and second electrodes, wherein:

when a front edge of a drive voltage pulse is to be applied between said first and second electrodes, said first and second electrodes are changed from a state in which the first and second electrodes are connected to a first power source, different from said ground power source, to a state in which the first or second electrode is connected to a second power source, different from said ground power source, so that a drive discharge voltage is applied between said electrodes .

27. (CURRENTLY AMENDED) A plasma display panel device having first and second electrodes, spaced apart from one another, a third electrode arranged perpendicularly to said first and second electrodes, and a ground power source, and performing a display by generating a discharge between said first and second electrodes, said plasma display panel device comprising:

a drive circuit that, when a drive voltage pulse is to be applied between said first and second electrodes, applies the drive voltage pulse between said first and second electrodes, while maintaining the third electrode at a voltage potential of said ground power source, the voltage potential of said ground power source being between voltage potentials of said first electrode and said second electrodes when applying the drive voltage pulse.